

# Data sheet Product LA 31 100 12



Cooling aggregates>Cooling aggregates with axial fan

**Discontinued product -**  
available on request only  
alternative product: LA HB 7 ...

85 x 85 mm, with axial fan

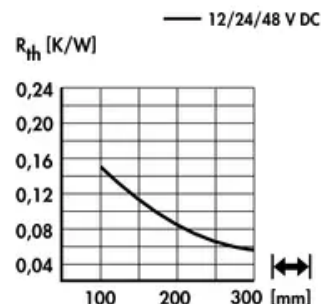
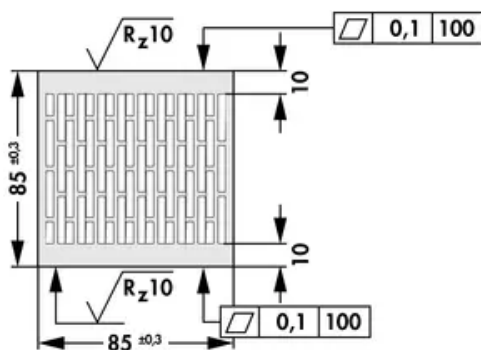
High performance cooling aggregate

- compact construction by means of connected extruded profiles
- excellent efficiency by means of flow-optimised hollow fin structure
- powerful axial fans
- double-sided precise milled semiconductor mounting surfaces
- different width dimensions, customised machinings, surfaces, fan types and fan voltages upon request

## Features

|                                     |                                                                                                                |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------|
| width:                              | 85 mm                                                                                                          |
| height:                             | 85 mm                                                                                                          |
| length:                             | 100 mm                                                                                                         |
| thermal resistance:                 | 0.057 - 0.149 K/W                                                                                              |
| surface:                            | aluminium natural/degreased/cutting edges not deburred (by the metre not degreased/cutting edges not deburred) |
| operating voltage of the fan motor: | <ul style="list-style-type: none"> <li>• 12 V DC</li> <li>• 24 V DC</li> <li>• 48 V DC</li> </ul>              |

## Technical Drawing



## Fan

|       |                          |
|-------|--------------------------|
| type: | <b>ebmpapst 8212 JH4</b> |
|-------|--------------------------|

|             |                    |
|-------------|--------------------|
| dimensions: | <b>80x80x38 mm</b> |
|-------------|--------------------|

|          |                |
|----------|----------------|
| tension: | <b>12 V DC</b> |
|----------|----------------|

|              |             |
|--------------|-------------|
| power inout: | <b>39 W</b> |
|--------------|-------------|

|                  |                            |
|------------------|----------------------------|
| max. air volume: | <b>222 m<sup>3</sup>/h</b> |
|------------------|----------------------------|

|                    |                       |
|--------------------|-----------------------|
| temperature range: | <b>-20°C... +70°C</b> |
|--------------------|-----------------------|

|              |                 |
|--------------|-----------------|
| noise level: | <b>71 dB(A)</b> |
|--------------|-----------------|

|        |                                |
|--------|--------------------------------|
| speed: | <b>14,000 min<sup>-1</sup></b> |
|--------|--------------------------------|

|         |              |
|---------|--------------|
| weight: | <b>200 g</b> |
|---------|--------------|

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| failure rate (L <sub>10</sub> ): | <b>L<sub>10</sub> &gt; 50,000 h (40°C)</b> |
|----------------------------------|--------------------------------------------|

|       |                          |
|-------|--------------------------|
| type: | <b>ebmpapst 8214 JH4</b> |
|-------|--------------------------|

|             |                    |
|-------------|--------------------|
| dimensions: | <b>80x80x38 mm</b> |
|-------------|--------------------|

|          |                |
|----------|----------------|
| tension: | <b>24 V DC</b> |
|----------|----------------|

|              |             |
|--------------|-------------|
| power inout: | <b>38 W</b> |
|--------------|-------------|

|                  |                            |
|------------------|----------------------------|
| max. air volume: | <b>222 m<sup>3</sup>/h</b> |
|------------------|----------------------------|

|                    |                       |
|--------------------|-----------------------|
| temperature range: | <b>-20°C... +70°C</b> |
|--------------------|-----------------------|

|              |                 |
|--------------|-----------------|
| noise level: | <b>71 dB(A)</b> |
|--------------|-----------------|

|        |                                |
|--------|--------------------------------|
| speed: | <b>14,000 min<sup>-1</sup></b> |
|--------|--------------------------------|

|         |              |
|---------|--------------|
| weight: | <b>200 g</b> |
|---------|--------------|

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| failure rate (L <sub>10</sub> ): | <b>L<sub>10</sub> &gt; 50,000 h (40°C)</b> |
|----------------------------------|--------------------------------------------|

|       |                          |
|-------|--------------------------|
| type: | <b>ebmpapst 8218 JH4</b> |
|-------|--------------------------|

|             |                    |
|-------------|--------------------|
| dimensions: | <b>80x80x38 mm</b> |
|-------------|--------------------|

|          |                |
|----------|----------------|
| tension: | <b>48 V DC</b> |
|----------|----------------|

|              |             |
|--------------|-------------|
| power inout: | <b>36 W</b> |
|--------------|-------------|

|                  |                            |
|------------------|----------------------------|
| max. air volume: | <b>222 m<sup>3</sup>/h</b> |
|------------------|----------------------------|

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| temperature range:               | <b>-20°C... +70°C</b>                      |
| noise level:                     | <b>71 dB(A)</b>                            |
| speed:                           | <b>14,000 min<sup>-1</sup></b>             |
| weight:                          | <b>200 g</b>                               |
| failure rate (L <sub>10</sub> ): | <b>L<sub>10</sub> &gt; 50,000 h (40°C)</b> |

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